

Single Junction Drop-In Isolator 3.4 GHz—3.6 GHz

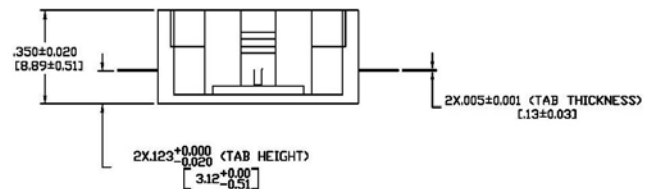
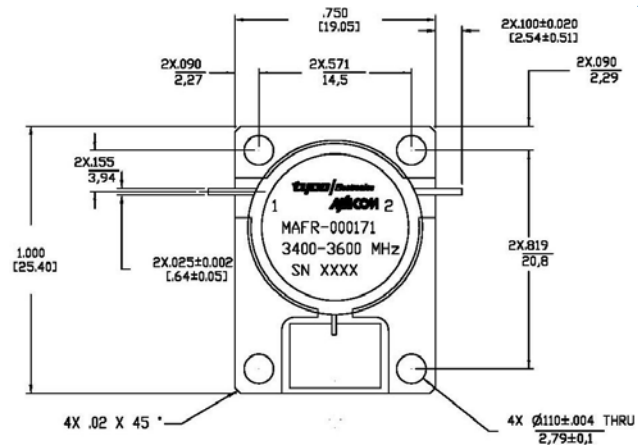


Features

- Designed for WiMax market
- 25dB Isolation typical
- 0.20dB Insertion Loss typical
- Low cost package
- RoHS compliant
- Flat pack packaging

Description

This isolator is designed specifically for WiMax applications and features high reliability performance at a low cost. It is in a low cost package ideally suited for high volume manufacturing. M/A Com is one of the largest suppliers of isolator and circulators in the world.



Electrical Specifications

$$T = T_{op}^1, Z_0 = 50 \text{ Ohms}$$

Parameter	Test Conditions	Units	Min	Typ @25°C	Max
Frequency Range		GHz	3.4		3.6
Insertion Loss	3.4 GHz—3.6 GHz	dB		0.20	0.25
Isolation	3.4 GHz—3.6 GHz	dB	20.0	25.0	
Return Loss (Port 1 & 2)	3.4 GHz—3.6 GHz	dB	20.0	25.0	
Intermodulation	3.4 GHz—3.6 GHz	dBc	60.0	65.0	
Circulation			Clockwise		

1. See "Absolute Maximum Ratings" for T_{op} .

Absolute Maximum Ratings

Parameter	Absolute Maximum
Forward Power, CW	200 Watts
Peak Forward Power	1000 Watts
Reverse Power, CW	60 Watts max for 2 minutes max
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +100°C

ADVANCED: Data Sheets contain information regarding a product M/A-COM Technology Solutions is considering for development. Performance is based on target specifications, simulated results, and/or prototype measurements. Commitment to develop is not guaranteed.

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